

Amended Claims

[Receipt by International Bureau on April 5, 2004 (05, 04, 04): Claims 1 to 7 at the time of the application were corrected, and new claims 8 to 10 were added. 2 Pages]

- 5 1. (amended) A composition for inhibiting mycotoxin contamination in cereals containing one or more compounds A selected from the group consisting of ammonium salts, primary to quaternary ammonium salts, alkali metal salts, alkaline earth metal salts and polyvalent metal salts of
10 phosphorous acid and phosphite ester as an active ingredient(s).
- 15 2. (amended) The composition for inhibiting mycotoxin contamination in cereals according to claim 1 wherein the compound A is an alkali metal salt or a polyvalent metal
15 salt of phosphorous acid or phosphite ester.
- 20 3. (amended) The composition for inhibiting mycotoxin contamination in cereals according to claim 1 wherein the compound A is an aluminium salt of tris(ethylphosphonate).
- 20 4. (amended) The composition for inhibiting mycotoxin contamination in cereals according to claim 1 wherein the
20 compound A is potassium phosphite.
- 25 5. (amended) The composition for inhibiting mycotoxin contamination in cereals according to any one of claims 1 to 4 containing the compound A and one or more fungicidal
25 active ingredients for agri-horticulture.
- 30 6. (amended) The composition for inhibiting mycotoxin contamination in cereals according to claim 5 containing one or more fungicidal active ingredients for agri-
30 horticulture selected from the group consisting of an inhibitor of sterol biosynthesis having a triazole skeleton, a methoxyacrylate based fungicidal agent, a fungicidal
30 agent which causes destruction of a membrane lipid bilayer structure of bacteria and sulfur.
- 35 7. (amended) The composition for inhibiting mycotoxin contamination in cereals according to claim 5 or 6
35 containing one or more fungicidal active ingredients for

agri-horticulture selected from the group consisting of tebuconazol, metconazol, propiconazol, azoxystrobin, kresoxim-methyl, iminoctadine acetate, iminoctadine albesilate, trifloxistrobin and sulfur.

5 8. (added) The composition for inhibiting mycotoxin contamination in cereals according to any one of claims 5 to 7 wherein the fungicidal active ingredient for agri-horticulture is azoxystrobin, iminoctadine acetate or iminoctadine albesilate.

10 9. (added) A method of reducing an amount of contaminated mycotoxin characterized in that the composition for inhibiting mycotoxin contamination in cereals according to any one of claims 1 to 8 is given to the cereals.

15 10. (added) The method according to claim 9 wherein mycotoxin is deoxynivalenol.

Description based on Article 19(1) of the Treaty

The invention according to claim 1 is a composition for inhibiting mycotoxin contamination in cereals
5 characterized by comprising a certain active ingredient(s).

In literatures listed in the international survey report, fungicidal effects of compounds or compositions are described, but as described on page 3 line 14 to page 4 line 4 in the present specification, it has been already
10 obvious that there is no direct relevance between an illness degree of Fusarium head blight and a contamination amount of mycotoxin (DON) produced by pathogenic fungi of Fusarium head blight, and cases frequently occur where even when various combined fungicidal agents are given to
15 control the diseases with Fusarium head blight, DON at more than 1.1 ppm is detected. That is, DON contamination can not be sufficiently prevented only by controlling of the pathogenic fungi, which is the prior art.

This way, the fungicidal effect on the pathogenic
20 fungi is quite different from the inhibitory effect on mycotoxin contamination. In this respect, the present invention is characterized in that biosynthesis of mycotoxin is inhibited rather than relying on the fungicidal effect on the pathogenic fungi. Therefore, the
25 composition for inhibiting the mycotoxin contamination in cereals in the invention has not been described and suggested in any literatures.